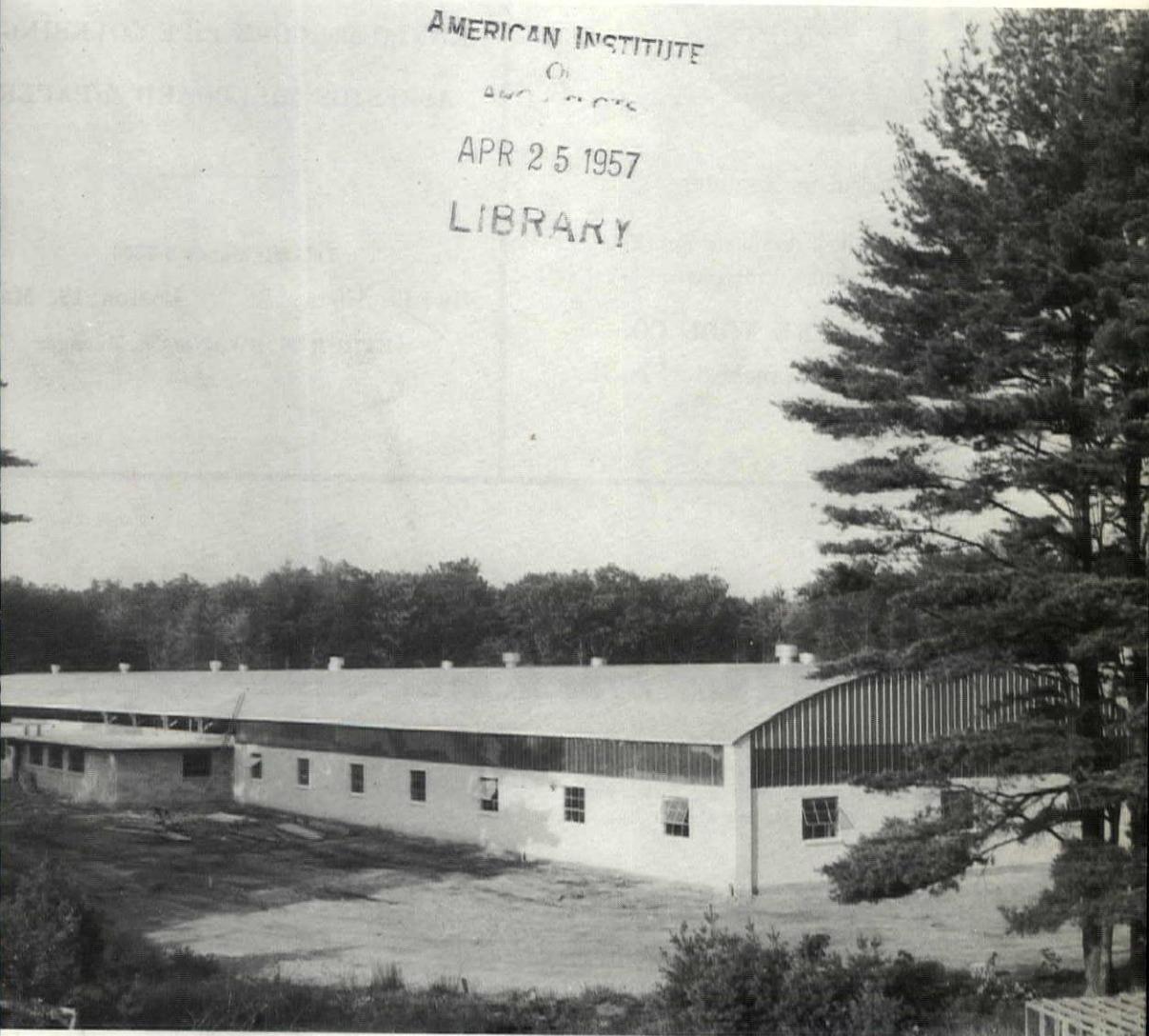


# New Hampshire <sup>LIB</sup> ARCHITECT

AMERICAN INSTITUTE

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New Hampshire Chapter of the American Institute of Architects

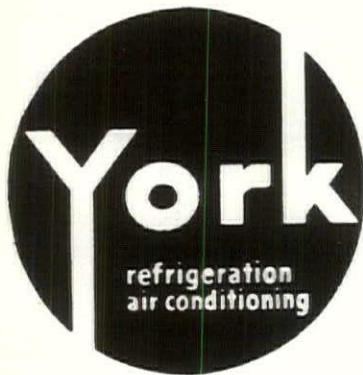


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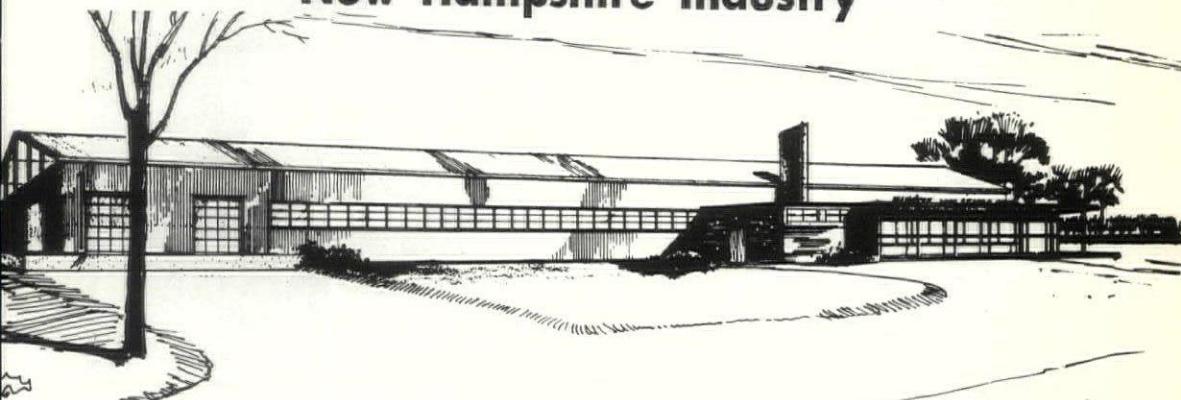
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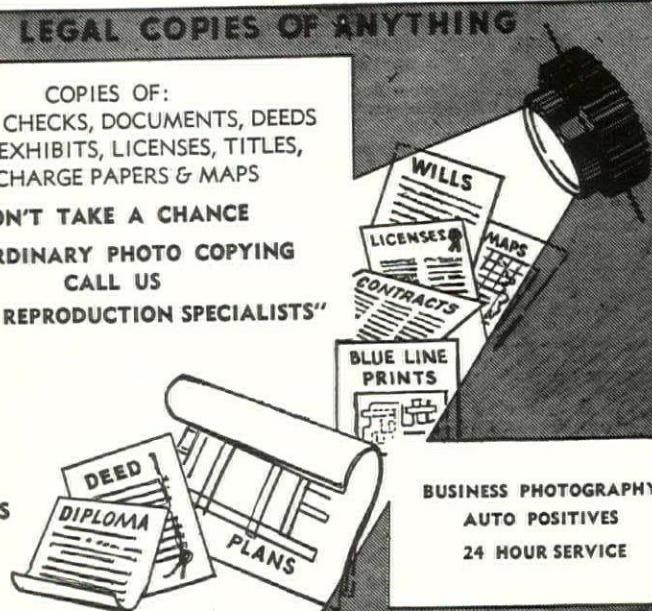
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## *The President's Message*

At the time I assumed the presidency of this chapter I felt that I knew fairly well what the Institute was doing for the profession through the frequent publications that come to me. With some surprise I received from the retiring president, Richard Koehler, a large file full of correspondence, the flow of which was promptly diverted to my direction.

As the months passed I learned that the Institute was interested in every phase of our professional activities. I found that the publications that I had been reading over the years were the result of a tremendous amount of work by committees of national scope, processed at the Washington headquarters by a very competent staff. The activities of these people are growing to such an extent that additional office space is being constructed near the Octagon, a famous early residence acquired by the Institute as the central unit of its main office. In a recent issue of the Saturday Evening Post the Octagon was the subject of a well illustrated article.

Readers of this publication, who are not affiliated with our profession, should know that the Institute's efforts are not confined to the needs of its membership. Its social activities extend to many areas of general interest and it is the broad scope of these which has brought the Institute its prestige.

The forthcoming national convention to be held in May will do much to acquaint those in attendance of the scope of the Institute's work.



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Concord, N. H.

VOL. 8

APRIL, 1957

NO. 9

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## COVER PICTURE

Barr & Bloomfield Shoe Co., Building—General view of nearly completed building. The trees on the right of the photo obscure the second bow of the roof.

New Hampshire Architect is published monthly at 181 North Main Street, Concord, N. H., under the direction of the resident and board of directors of the New Hampshire Chapter, American Institute of Architects, to promote the objectives and public relations of the chapter. Advertising rates furnished upon request.

## CONVENTION PROGRAM

### Monday, May 13

8:00 AM-5:30 PM  
Evening      Registration  
                    Convention Opening Address

### Tuesday, May 14

8:00 AM-5:30 PM      Registration  
9:30 AM      Discussion—"This Changing World"  
                    "The New World of Technology"  
12:30 PM      Luncheon—Address by The President of the  
                    Institute  
                    Introduction of Distinguished Guests  
2:30 PM      Business Session  
8:00 PM      President's Reception—The Opening of  
                    "A Century of American Architecture"  
                    The National Gallery of Art  
10:00 PM      Presentation Ceremony—  
                    The R. S. Reynolds Memorial Award

### Wednesday, May 15

8:00 AM-5:30 PM      Registration  
9:00 AM      Discussion—"Horizons of Environment"  
                    "Environment and the Individual"  
12:00 Noon      Luncheons as arranged  
                    Alumni, Fraternity and State Groups  
2:00 PM      Discussion—"The Future of the City"  
4:30 PM      Host Chapter Entertainment  
                    Boat Ride to Mount Vernon

### Thursday, May 16

8:30 AM-5:00 PM      Registration  
9:00 AM      Business Session—Nominations and Election  
12:30 PM      Convocation of College of Fellows  
                    Luncheon  
                    Investiture of New Fellows  
2:30 PM      Discussion—"Civilization and the Arts"  
                    "The Arts in Modern Society"  
8:00 PM      The Annual Dinner  
                    Award of The Gold Medal of The Institute  
                    Award of The Centennial Gold Medal  
                    Address

### Friday, May 17

9:00 AM      Discussion—"Government and the Arts"  
12:30 PM      Awards Luncheon  
3:00 PM      Address—"A New Century of Architecture"  
8:00 PM      Address—"The President of The United States  
                    (tentative)

### Saturday, May 18

9:30 AM      Orientation Meeting with The Board  
                    Chapter Presidents, Committee Chairmen  
                    Williamsburg Tour (2 days)  
                    Host Chapter Tour  
                    A.I.A. Board of Directors  
                    Organization Meeting

# RESIDENTIAL IS ESSENTIAL

Some definitions by Frank E. Watson  
in the Florida Architect

**CO-OP**—Same as an Apartment except that it costs more. You are stuck with it longer and get a nice brochure illustrated in four colors.

**HOUSING PROJECT** — Tomorrow's Slum Today.

**FRONT ENTRANCE**—Usually on the side so that you have a choice when entering the House of going to the Living Area, Dining Area, Kitchen, Bedroom or the Bathroom—just in case you want to live a little, eat a little, sleep a little, etc.

**ENTRANCE HALL**—The space immediately adjacent to the Front Entrance that you have to go through in case you want to live a little, eat a little, sleep a little, etc.

**BREEZEWAY** — Open space between two wings of a house located so that the prevailing breeze can blow through it so that it will not go through the House.

**PATIO**—Same as Breezeway—but the two open sides are enclosed to keep the freeze out, so, that it can go through the house. A house without one of these is just not.

**SCREENED PATIO**—Same as Patio, except that the sides and top are covered with screening. The purpose? To keep the insects that are already in the house—!

**LANAI**—Same as Screened Patio, except that the Architect spent the Winter in Hawaii.

**FLORIDA ROOM**—Same as Lanai, except that the Architect couldn't afford to go to Hawaii.

**PORCH**—The same as Florida Room, except that the bids came in too high and the walls had to be omitted.

**TERRACE**—Same as a Porch, except that we had to cut some more—No Roof!

**CARPORT**—Part of the Terrace. The owner found money in his budget for a massive awning to cover the car.

**MULTI-PURPOSE ROOM**—This is the catch all, a combination of all the foregoing where we all can live a little, eat a little, relax a little, sleep a little, recreate a little again, etc.

**Residential Styles of Architecture as Presently Practiced (or is it practised?)**

**MODERNISTIC**—No less than five roof levels allowed on the true Modernistic House—also all four facades should be entirely different, both in material and intent.

**SKI-JUMP**—A long attenuated box-like House with a monopitch roof extending the full length of the structure, designed to fool the neighbors so they will not know which is the front.

**BAT-WING**—A house of parts—two parts—each with a monopitch roof sloping towards the other. A very clever device, so that all rain water will collect in one area so that it is easy to locate the leaks.

**SUPER-DROOP**—This is a residence where the roof overhangs at least three feet. The most interesting examples are where the projection is beyond the design strength of the rafters giving that distinctive wavy appearance.

**SNUB-NOSE**—Similar to Super-droop except that the roof overhang has been reduced to four inches. This one is cheaper, but it doesn't have that rakish appearance of the Super-droop.

**SPLIT-LEVEL**—A very popular item and particularly adaptable to a site that has a slope of six inches in the depth of the lot.

**HOUSE ON STILTS**—This type is just beginning to catch on in this country, but has been popular on the Continent. In this style all habitable areas are placed on an upper level so that the occupants are protected from scorpions, snakes, bill collectors and friends.

**RANCH TYPE**—Any sprawling builder's house on a fifty-foot lot.

## BROCHURE FOR ARCHITECTS HAS WON AN AWARD

"Facts and Data on Resilient Floors," published last Fall by the Gold Seal Division of Congoleum-Nairn as a ready reference brochure for architects, has won an award as one of the finest publications in the 1957 Building Products Literature Competition sponsored jointly by the American Institute of Architects and The Producers' Council, Inc.

More than 50,000 copies have been distributed since the first of its three printings last September. Additional press runs in November and February were made necessary because of the unprecedented response by architects and others in the building trades industry.

"Facts and Data on Resilient Floors" facilitates the specification of the correct resilient floor for any type of residential, commercial or institutional building. The booklet is devoted to the twelve outstanding properties of resilient flooring products and their influence upon the architect in making his specifications. The discussion of each characteristic is accompanied by illustration and charts from which the architect can derive pertinent information quickly and easily.

Awards will be made at the AIA Centennial Celebration, to be held at the Sheraton Park Hotel, Washington, D. C., May 14-17, 1957.

Copies of the booklet can be obtained free of charge by writing to the Architect Service Department, Congoleum-Nairn Inc., Gold Seal Floors and Walls, 195 Belgrave Drive, Kearney, N. J.

## N. H. ASSOCIATION of PLUMBING CONTRACTORS MEET IN KEENE

Saturday, March 16, 1957, a public relations meeting was held at the Ellis Hotel in Keene, New Hampshire. Leonard Kiley, National Director of this Association was present and gave an educational talk on National affairs in the industry. Walter J. Parenteau, State President, Harold Tillson, Manchester President, Joseph Greenwood State Treasurer - Secretary gave talks on the benefits of a State Association.

Plans were formulated for the Annual Convention to be held April 25th at the Concord Highway Hotel at which Atty General Louis Wyman will be one of the guest speakers. Also invited to attend this banquet were the President of New Hampshire Chapter A. I. A., Norman Randlett, the President of Associate General Contractors, Paul Harvey, and Armand Beliveau, President of New Hampshire Home Builders.

### NEW OFFICE IN NASHUA

James J. Viette and Sons, General Contractors, of Keene, N. H. are soon to open an office in Nashua, N. H.

Located in the Second National Bank building at Pearl and Main Streets, the office will be run by James J. Viette, Jr.

Plans are to operate from both locations at Keene and Nashua, N. H. as General Contractors.

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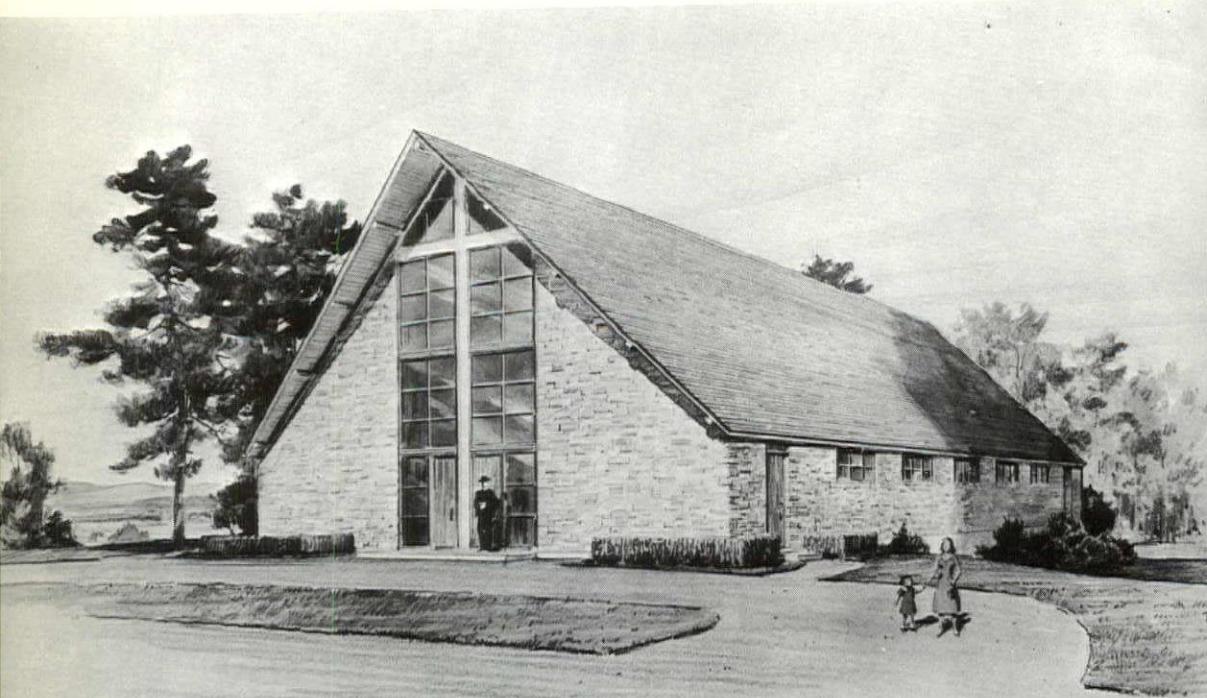
## N. E. GENERAL CONTRACTORS ATTEND A. G. C. CONVENTION

New England General Contractors at breakfast meeting held during recent AGC Convention in Washington, D. C. From New Hampshire (upper right) are Paul Harvey, President, A. G. C. of N. H. & Vt.; Halsey Weaver, Treasurer; Guy MacMillin, National Director; E. David Swett, National Director-Elect; J. Paul Griffin, Landers & Griffin Co., Portsmouth, N. H.; G. Allen Mott, Arthur Whitcomb Construction Company, Keene, N. H.; Harold Shannon, Morrison-Knudsen Company, Portsmouth, N. H.; and Rowland Oakes, Executive Secretary, A. G. C. of N. H. & Vt. John A. Volpe, John A. Volpe Construction Company, Malden, Mass., former Federal Highway Administrator also appears in photo, (lower left).

### HOW TO KILL AN ASSOCIATION

1. Don't attend meetings. If you should attend, arrange to be late.
2. Don't read any official announcements. Be especially wary of an official journal. Throw it in the waste basket as soon as you receive it.
3. Never accept an office—be free to heckle from the outside.
4. If appointed to serve on a committee, do no more than is absolutely necessary.
5. Criticize as a vicious clique those
6. Never indicate your opinion on an important matter.
7. Agree with everything said at a meeting; then disagree outside.
8. Wait until you receive several notices before paying your dues.
9. Never join an association if you receive any benefits without joining.
10. Resign frequently and heatedly.

# CONSTRUCTION OF NEW CATHOLIC CHURCH COMPLETED IN AUGUST



## OUR LADY OF GRACE CHAPEL, BRISTOL, N. H.

MOST REVEREND MATTHEW F. BRADY, D.D. BISHOP OF MANCHESTER

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JOHN D. BETLEY - ARCHITECT  
944 BLM ST. MANCHESTER, N.H.

## ANNUAL MEETING AND ELECTION OF OFFICERS N. H. A. I. A.

The annual meeting and election of officers of New Hampshire Chapter, A.I.A., will be held on Thursday, May 23, at Manchester, President Norman P. Randlett has announced.

This date follows by a week, the annual meeting of the American Institute of Architects to be held in Washington, D. C., May 10 to 18.

Arrangements for the May meeting are in charge of John D. Betley. Time and place of the meeting will be sent to the membership at a later date.

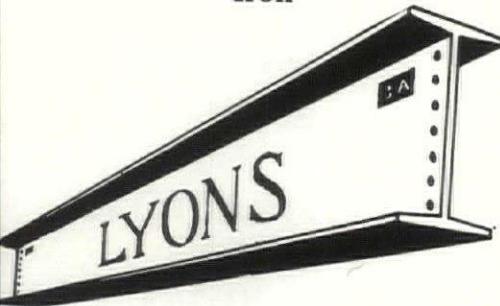
## ARCHITECTS VERY BUSY

Austin W. Mather, New England regional director of the American Institute of Architects, gave the following report at the regional directors' meeting in Washington, with reference to conditions in this area:

"Architects very busy. Despite difficulties encountered in selling bonds and obtaining steel, needs are so urgent that everything is booming. Big institutional programs in area. Some legislative problems."

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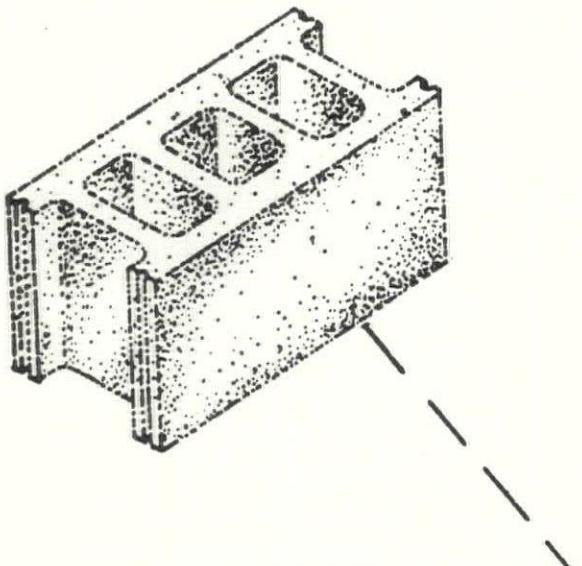
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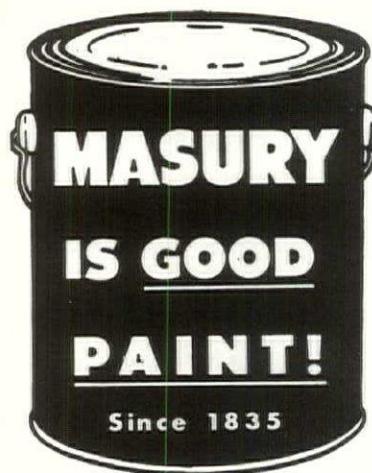
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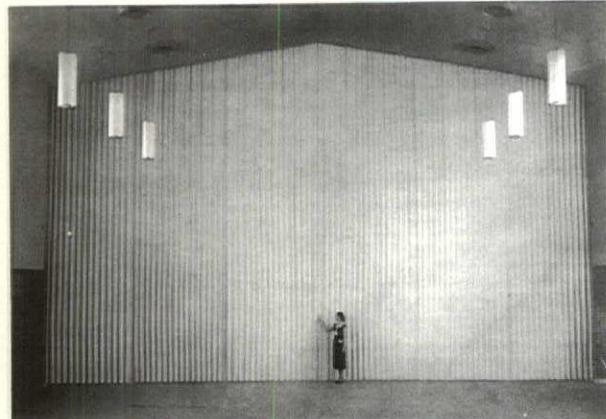
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Construction on above building under way.

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This new product called "Shade-Cote" is mechanically applied through a neat operation by skilled technicians, and carries two year warranty against any hazards.

"Shade-Cote" can be applied to all glass surfaces in schools, offices, factories, retail stores, and wherever excessive heat, glare, and fading are problems. Heat intensity is reduced as much as 25%, and approximately 97% of ultra-violet light is absorbed. The retail merchant has found that fading of merchandise and fixtures is eliminated and makes for better display.

The distributor and applicator is Shade-Cote of New Hampshire, Box 256, Nashua, N. H.

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Portsmouth, N. H.  
General Contractor



Owners: Mr. and Mrs. James M. Mathes

Without benefit of a colored, aerial photograph it is impossible to visualise the magnificent site we were given to work with here.

The pool is located on a cliff, overlooking, and almost overhanging, the Atlantic Ocean.

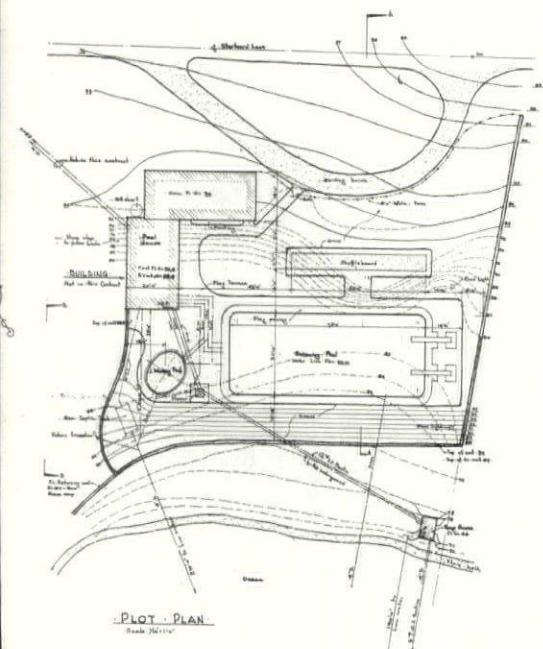
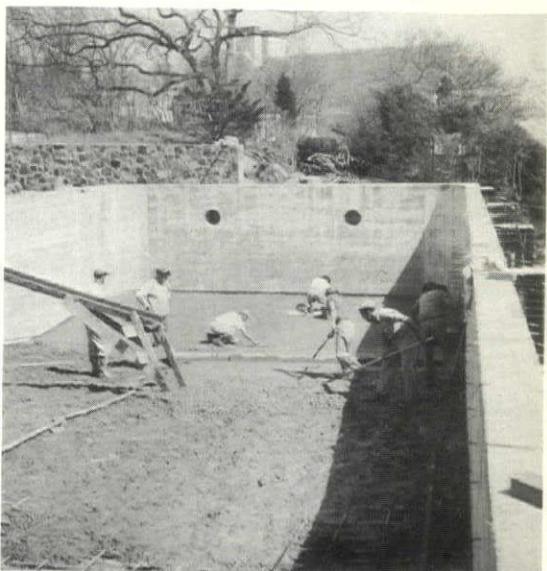
As you know, the Maine water is not too warm! Water from the ocean is pumped to the basement of the pool house where the heating, filtering, and recirculating equipment is located. The pool is regulation meet size: 30' x 75' x 10' deep with diving boards. It is of poured concrete, painted, the capping is of bluestone.

The Pool House has a lovely Lounge; a Kitchen capable of preparing and serving food for 40; mens and womens locker rooms with showers, cubicles; toilets, dressing counter and mirrors, and terrazzo floors. The Owners have private toilets and showers.

The siding is cedar with white trim. There is a plexiglas dome in the kitchen which gives a very pleasant light indeed. The bank towards the ocean is planted with rambler roses, as is the chain fence.

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Our congratulations to **HORACE G. BRADT, A. I. A.**, for the expert job done on these and other **BUTLER** buildings in New Hampshire.

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The two examples shown here were engineered for the fast growing shoe industry. No longer able to compete in obsolete multi-storied buildings, the shoe industry, as is the case with most industry today, have exercised sound management judgment in choosing **BUTLER** one story construction. The **BARR-BLOOMFIELD SHOE COMPANY** building, located in Seabrook, N. H., with over 51,000 sq. ft. of manufacturing and office space, and the **PITTSFIELD SHOE COMPANY** building, Pittsfield, N. H. 30,000 sq. ft., combined the **BUTLER STRUCTURAL SYSTEM** with conventional building materials to produce the finest in modern construction.

Your **BUTLER BUILDER** is equipped to furnish complete **TURN-KEY** building quotations. Preliminary plans and estimates furnished at no obligations. For full information, contact,—your **BUTLER BUILDER** for all of New Hampshire.



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## Seabrook, New Hampshire

PEIRCE CONSTRUCTION COMPANY

Stratham, N. H.

*General Contractor*

This plant is architecture in the raw, as economically speaking it should be. An aesthetically pleasing building would not enhance either the quality or the beauty of the shoes produced.

The building encloses 51,120 sq. ft. of ground, housing some 400 employees, by means of a simple, pre-engineered Butler building. These pre-engineered structures are quite different from entirely prefabricated buildings, allowing for variations of materials and proportions of walls and of fenestration. Roofing material can so be varied, although aluminum is unquestionably the most serviceable and least expensive thing to use in the long run.

The construction consists of two 60 foot bowstring trusses supported on wall and center columns spaced 20' apart, leaving the floor area practically clear of obstructions. The exterior curtain walls are of concrete blocks. Window locations and sizes are controlled by the manufacturing thin.

A 4 foot perimeter strip of translucent fibreglas above the concrete blocks gives entirely satisfactory clear-story lighting throughout the plant area, assisted by the reflection from the white paint of the ceiling and structural steel.

The flat-roofed office area was not pre-engineered, but was again dictated by economy and function rather than by beauty. The interior surfaces of the concrete blocks are "Plextone" painted; the floors are covered with asphalt tile; and the ceilings with acoustic tile.

The building is steam-heated using heavy-oil fired steel boiler with a pre-fabricated stack; unit heaters in the plant area, individually thermostatically controlled fin radiation in the offices.

The entire floor of the plant is covered with 4" of reinforced rough concrete topped with 1/2" of asphalt emulsion, producing a slightly resilient, smooth, and dust-free surface.

The cost of the building was as follows:

ITEM	COST	% of COST	COST @ sq. ft.
General Contract	\$112,022.00	41.8	\$2.18
Butler Building Materials	73,640.00	27.5	1.53
Sprinklers	13,900.00	5.2	.26
Electric; light & power	27,500.00	10.2	.52
Interior Painting	6,700.00	2.5	.12
Plumbing	8,795.00	3.2	.15
Heating	25,942.00	9.5	.49
<hr/>		<hr/>	
Total cost of building	\$268,184.00	100.0%	\$5.25

### Sub-Contractors and Material Suppliers

Butler Building—New Hampshire Steel Building Co., Inc., Kingston, N. H.

Heating Engineer — George F. Corrigan, Providence, R. I.

Painting—William W. Turnbull, Manchester, N. H.

Roofing—Robert D. Forsyth and Sons, Haverhill, Mass.

Excavating—R. G. Sweatt Construction Co., Dover, N. H.

Blocks—Duracrete Block Co., Hooksett, N. H.

Heating—A. A. Jackson Co., Newburyport, Mass.

Plumbing—Palmer and Sicard, Hampton, N. H.

Electrical—Emerson Electric Co., Farmington, N. H.

Asphalt Tile—Elliots, Lawrence, Mass.

Glazing—Demers Plate Glass Co., Haverhill, Mass.

Sprinklers—Automatic Sprinkler Corp., of America, Boston, Mass.

General view of the flat-roofed office area.



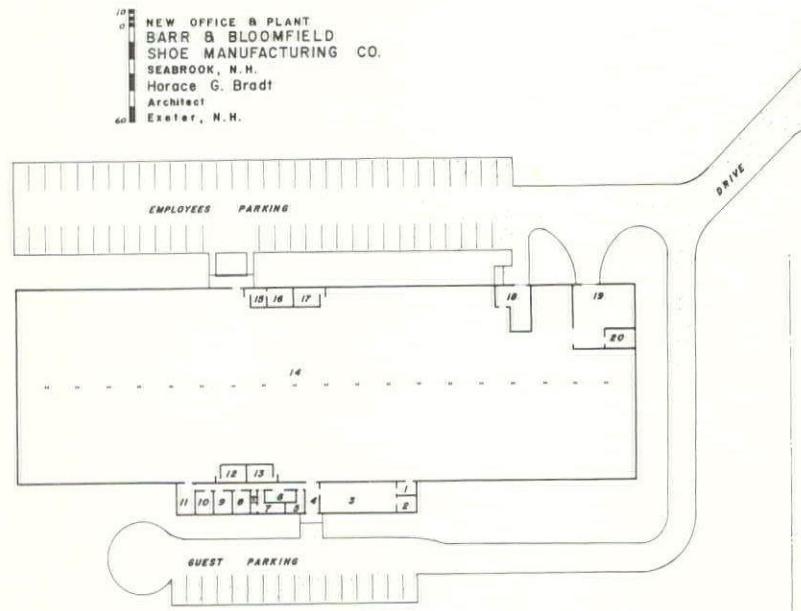
Interior view of plant showing the 20' column bays, the double bowstring trusses, and the clear-story lighting.



Office entrance showing the only "Frills": Kawarau door and brick pilaster.

10  
11 NEW OFFICE & PLANT  
12 BARR & BLOOMFIELD  
13 SHOE MANUFACTURING CO.  
14 SEABROOK, N.H.  
15 Horace G. Bradt  
16 Architect  
17 Exeter, N.H.

LEGEND  
1 FIRST AIR  
2 SUPPLIES  
3 GENERAL OFFICE  
4 LOBBY  
5 TOILET  
6 SHOW ROOM  
7 TOILET  
8 OFFICE  
9 OFFICE  
10 OFFICE  
11 MEN  
12 WOMEN  
13 MANUFACTURING  
14 LOUNGE  
15 WOMEN  
16 MEN  
17 BOILER & INCINERATOR  
18 SHIPPING & RECEIVING  
19 GROCERIES ROOM



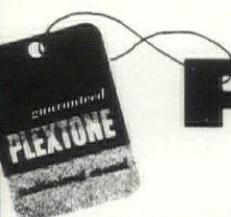
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## Pittsfield, New Hampshire

PEIRCE CONSTRUCTION CO.

Stratham, N. H.

*General Contractor*

### Sub-Contractors and Material Suppliers

Butler Building—New Hampshire Steel Building Co., Kingston, N. H.

Site Preparation—R. G. Sweatt Construction Co., Dover, N. H.

Heating—Mitchell and Hicks, Concord, N. H.

Plumbing—Arthur W. Contois, Pittsfield, N. H.

Electrical—James F. McGrath, Pittsfield, N. H.

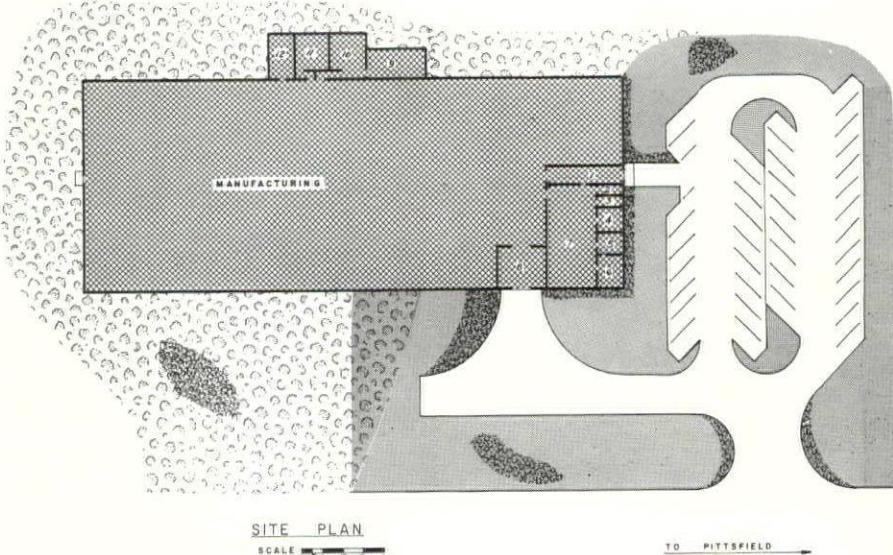
Tar and Gravel Roof—Fred W. Greenlaw and Son, Dover, N. H.

Sprinklers—Automatic Sprinkler Corp., America, Boston, Mass.

New Plant For  
PITTSFIELD SHOE CO.  
Pittsfield, N.H.

Horace G. Bradt  
Architect  
Exeter, N.H.

LEGEND  
1 LOBBY  
2 TOILET  
3 "  
4 OFFICE  
5 "  
6 "  
7 GENERAL OFFICE  
8 SHIPPING  
9 BOILER RM.  
10 TOILET  
11 "  
12 DORMITORY RM.



# MISS DOROTHY HUNGERFORD HOUSE

## York, Maine

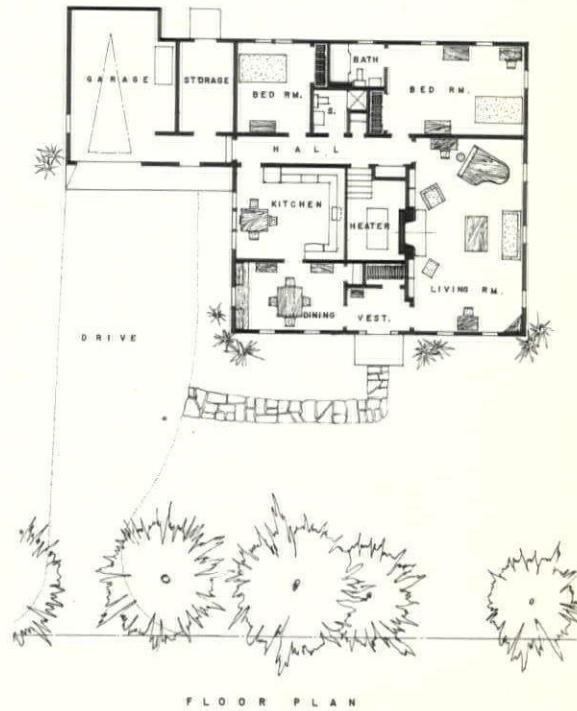
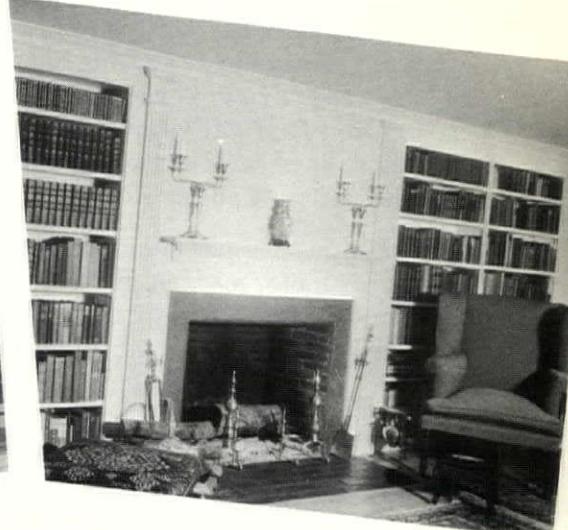
This house was built for a middle-aged lady accustomed to living in a large old colonial house once used as a tavern, and now the property of the York Historical Society.

Miss Hungerford required a large bedroom-study; a guestroom and bath; ease of maintenance and house-keeping; space for many books and for a grand piano; and above all a suitable setting for her many lovely antiques, including four-poster beds with canopies.

PAUL E. NOWELL  
York Beach, Me.  
*General Contractor*

### Sub-Contractors and Material Suppliers

Heating—Piper Heating Co., Portsmouth, N. H.  
Plumbing—Harry F. Hutchins, York Beach, Me.  
Electrical—York Electrical, York, Me.  
Millwork—Eldridge Brothers, South Sanford, Me.  
Building Materials—J. G. Deering, Biddeford, Me.  
Landscaping—Joseph Cefalo, York Harbor, Me.  
Excavating—Henry Ruch, York, Me.



# SUMMER HOUSE OF Mr. and Mrs. HORACE G. BRADT, A.I.A. York, Maine

**Requirements:** A small, manageable, summer house for a family of four: Informal, inexpensive, "in the middle of everything," but private.

**Lot:** Tiny; in an area with houses close by; ledge.

**Solution:** Concrete slab floor; cedar siding; wider than usual studs and bridging, providing almost limitless shelf space; a large fireplace and wood box for spring and fall; a glass wall which slides back like a barn door on a track extending beyond the wall of the house leaving a screened opening; a small but adequate kitchen with a lunch counter; a bedroom with an enormous closet; bath; bunkroom; linen shelves and broom space. Each bunk has four drawers under it—and a top space! There is a future heater room, now used for the family's messylanous belongings.

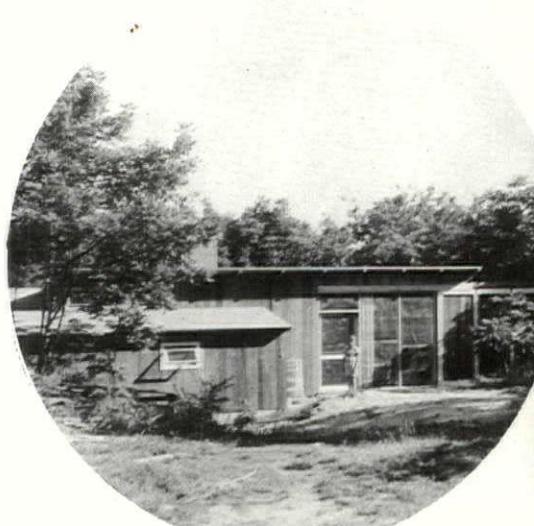
**Decoration:** The cedar is left unfinished inside and out; trim is painted white; full, lined drapes are of natural sacking; modern bolstered daybeds are covered in tweedy jute and cotton; cabinets and doors are natural birch plywood; living room rug is hemp. Color is provided by the coffee benches, which are bright yellow, and by lighting fixtures. The door of the bedroom closet is accordian pleated wood slats—also bright yellow. One wall of the bath is Chinese Red.

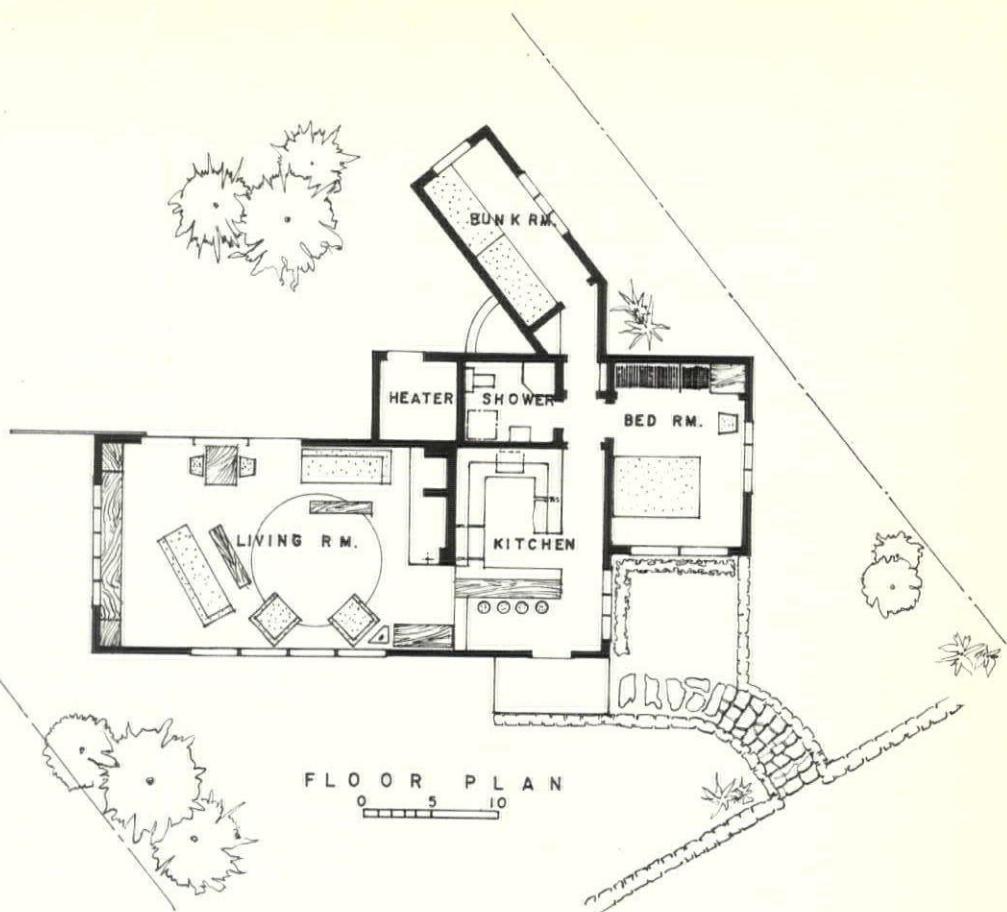
**Lighting:** Cove lighting between joists over one set of windows in the living room; modern, swivel fixtures at reading points; a wonderful "bubble light" near the fire place. There is a flood light outside the glass door—very dramatic effect at night, but hard on insects.

**Landscaping:** Chiefly lack of same: ledge, sumac and juniper seem appropriate and attractive.

**Dividend:** The house turned out to be ideal for music, and the record player is going almost continuously.

You have to see this house to realize how perfect it is! So come see us . . . . . it's ours!





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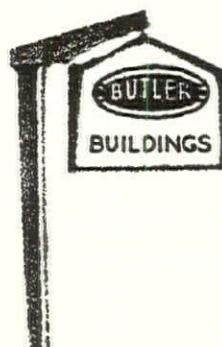
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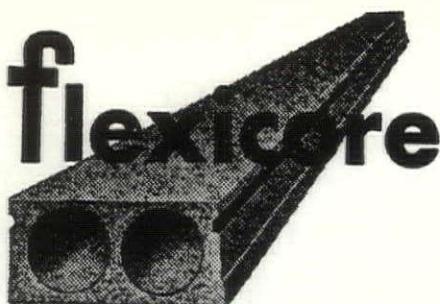
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Savings Accounts .....	2,204,803.49	38,605,025.70	1651%
Surplus and Reserves .....	255,566.25	4,529,904.57	1672%
Members .....	2,737	24,586	798%

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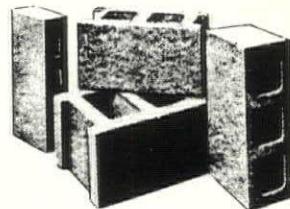
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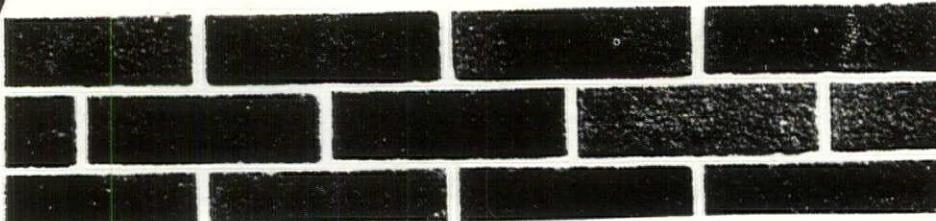
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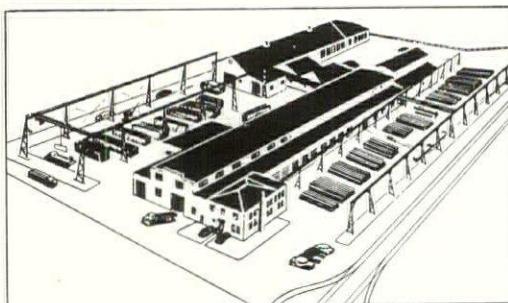
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